

**Corporate College and Community Education**

**Free 5-Week Non-Credit Training Course  
Industrial Maintenance for Shelter Populations Grant**

**Course Title: Welding Basics**

**Class Meets: Monday, Tuesday & Wednesday-----Time: 9:00 am - 4:00 pm**

**Location: Lawson State Community College - Bessemer Campus**

Millsap Bldg. Lower Level-----1100 9th Ave. SW - Bessemer, AL 35022

**To sign up for the training, contact:**

**Dorothy Henry 205-929-3485**

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**Course Description:**

Whether you want to expand your welding knowledge or you are starting from scratch, you'll receive a great introduction during the Welding Basics course. You will learn the basics of brazing, soldering, sheet metal forming, material cutting, fitting, and getting to know the critical safety components of how to use hand and power tools (grinders, shears, torches, etc.).

**Course Objectives:**

At the conclusion of the course, you will have a better understanding of the different types of welding and have the welding skills needed to handle basic welding tasks. You will also become familiar with the process for taking the certified welder's exam.

**Course Curriculum Outline:**

<b><u>Fundamentals</u></b>	<b><u>Safety precautions</u></b>	<b><u>Motor Controls</u></b>
<ul style="list-style-type: none"> <li>• Measure with tape measure and determine angle</li> <li>• Demonstrate ability to stick weld</li> <li>• Stick, MIG, Tig, Flat welding</li> <li>• Oxy-fuel cutting equipment setup</li> </ul>	<ul style="list-style-type: none"> <li>• Components Setup</li> <li>• Preparing the work piece</li> <li>• Gas welding positions and techniques Inspection</li> <li>• Proper use of cutting torch</li> <li>• Oxy-fuel cutting equipment use</li> </ul>	<ul style="list-style-type: none"> <li>• Fundamentals of Motor Controls</li> <li>• Ladder Logic</li> <li>• Electrical Diagrams</li> <li>• Welding positions/techniques</li> </ul>

**Completers Receive:**

- Certificate of Completion
- OSH10 standard industry completion card through the state of Alabama

**The Benefits of Completing this Course:**

Completing this course is a great way to get hands-on experience that could lead to employment, and also help determine if a career in the welding field is right for you.

**NOTE:** If you want to continue in this field, consider enrolling in Lawson State's Welding Technology Short Certificate credit course, to build upon your skills. The Workforce Innovation and Opportunity Act (WIOA) provides grants (**Free funding**) for the Welding credit course.